

REMARKS

In the Office Action of 7/11/2006, the Examiner rejected claims 2-3, 7, and 9-13 under 35 U.S.C. 102(b) as being anticipated by Hagelin et al. (US Patent 6,283,601, hereinafter Hagelin), rejected claims 2-3 and 6-13 under 35 U.S.C. 102(e) as being anticipated by Aksyuk et al. (US Patent 6,366,414, hereinafter Aksyuk) and rejected claims 4-6 and 8 under 35 U.S.C. 103(a) as being unpatentable over Hagelin in view of Miller et al. (US Patent 6,545,385, hereinafter Miller). In this response, claim 9 has been canceled and new claims 14 and 15 have been added. Accordingly, claims 2-8 and 10-15 will be pending after entry of this Amendment.

I. Rejections Under 35 U.S.C. 102

In the Office Action, the Examiner rejected claims 2-3, 7, and 9-13 under 35 U.S.C. 102(b) as being anticipated by Hagelin et al. (US Patent 6,283,601, hereinafter Hagelin) and further rejected claims 2-3 and 6-13 under 35 U.S.C. 102(e) as being anticipated by Aksyuk. The Applicants have amended claim 2 and, as the rejection might be applied to the amended claim, respectfully traverse. Claim 2 as amended recites a MEMS structure on a substrate, the MEMS structure comprising:

an actuator body connected with a suspension system; and
the suspension system connected with the substrate, the suspension system comprising:

a set of one or more flexures, each flexure connecting the actuator body with the substrate;

a set of one or more torsional elements, wherein each torsional element connects a corresponding flexure with the actuator body, comprises the only physical connection between the corresponding flexure and the actuator body, each torsional element having a length comprising the distance from the corresponding flexure to the actuator body, the length being greater than the width of the torsional element wherein each torsional element has an angle of twist per unit moment substantially equal to a first value; and

a set of one or more anchor points, wherein each anchor point connects a corresponding flexure to the substrate and has an angle of twist per unit moment substantially equal to a second value, wherein the first value is greater than the second value.

Applicants submit that neither Hagelin nor Aksyuk, alone or in combination, disclose, teach, or even suggest each recited feature of claim 2. For example, neither Hagelin nor Aksyuk disclose, teach, or even suggest that each torsional element has an angle of twist per unit moment substantially equal to a first value and each anchor point has an angle of twist per unit moment substantially equal to a second value, wherein the first value is greater than the second value. Applicants respectfully request that the Examiner specify the precise portion(s) of Hagelin or Aksyuk disclosing a direct comparison of the angle of twist per unit moment values of the torsional element and the anchor point, as required in amended claim 2.

For the above reasons, amended claim 2 is believed to be in allowable form. Claims 3-7 and 10-13 are dependent upon claim 2 and are allowable for at least the same reasons as claim 2.

II. Rejections Under 35 U.S.C. 103

In the Office Action, the Examiner rejected claims 4-6 and 8 under 35 U.S.C. 103(a) as being unpatentable over Hagelin in view of Miller. Claims 4-6 and 8 are dependent upon claim 2 and allowable for at least the same reasons as claim 2.

III. New Claims

In this Amendment, new claims 14 and 15 have been added. Claims 14 and 15 are dependent upon claim 2 and allowable for at least the same reasons as claim 2.

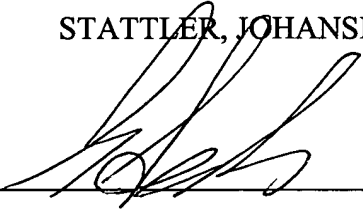
CONCLUSION

Based on the foregoing remarks, Applicants believe that the rejections in the Office Action of 7/11/2006 are fully overcome and that the application is in condition for allowance. If the Examiner has any questions regarding the case, the Examiner is invited to contact Applicants' undersigned representative at the number given below.

Respectfully submitted,

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